

What is claimed is:

1. A service control network system comprising:

a service execution unit providing a service to a terminal unit; and

5 a server managing service information specifying the service to be provided to the terminal unit,

said service execution unit further comprising:

a request transmission section transmitting to the server a reference request for the service information
10 corresponding to either a service initiation request or a registration request, on receipt of said service initiation request or said registration request from the terminal unit; and

a service provision section providing the service to
15 the terminal unit based on the service information referred to due to the reference request transmitted from the request transmission section,

and said server comprising:

a service information transmission section
20 transmitting to the service execution unit the service information corresponding to the reference request transmitted from the service execution unit.

2. The service control network system according to
25 claim 1,

wherein said service control network system is divided into at least a first domain accommodating the server and

the terminal unit, and a second domain,

the service information includes first service information which is referred to in the case the service execution unit is accommodated in the first domain, or in
5 the case the service execution unit is accommodated in the second domain and the terminal unit moved into the second domain, and second service information which is referred to in the case the service execution unit is accommodated in the second domain and the terminal unit is either
10 accommodated in the first domain or moved into a domain other than the first domain or the second domain, and.

the request transmission section in the service execution unit transmits either a reference request for the first service information either when said service
15 execution unit is accommodated in the first domain or when said service execution unit is accommodated in the second domain and the terminal unit moved into the second domain, or a reference request for the second service information when said service execution unit is accommodated in the
20 second domain and the terminal unit is accommodated in the first domain or moved to the domain other than the first domain or the second domain.

3. The service control network system according to
25 claim 2,

wherein, in the second domain, a second server having a relation of trust with the server is accommodated, and

when the service execution unit is accommodated in the second domain, the request transmission section transmits the reference request to the second server, and the second server transfers the reference request to said
5 server.

4. The service control network system according to any one of claims 1,

wherein, when said service execution unit already
10 retains effective service information, the request transmission section does not transmit the reference request.

5. The service control network system according to
15 any one of claims 2,

wherein, when said service execution unit already retains effective service information, the request transmission section does not transmit the reference request.

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6. The service control network system according to any one of claims 3,

wherein, when said service execution unit already retains effective service information, the request
25 transmission section does not transmit the reference request.

7. A service control network system including a first domain, a first server accommodated in said first domain, a first service execution unit, and a terminal unit, said first server comprising:

5 a storage section storing first service information specifying a service to be provided to the terminal unit; and

a service information transmission section transmitting the first service information stored in the storage section to the first service execution unit, based on a reference request for the first service information, on receipt of said reference request from the first service execution unit,

and said first service execution unit comprising:

15 a first request transmission section transmitting the reference request for the first service information corresponding to a service initiation request or a registration request to the first server, on receipt of said service initiation request or said registration

20 request from the terminal unit; and

a first service provision section providing the service to the terminal unit based on the first service information referred to due to the request transmitted from the first request transmission section.

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8. The service control network system according to claim 7,

wherein, when said first service execution unit already retains effective first service information, the first request transmission section does not transmit the reference request.

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9. The service control network system according to claim 7, further including a second domain, and a second server and a second service execution unit respectively accommodated in said second domain,

10 wherein the storage section further stores second service information specifying the service to be provided to the terminal unit, and the service information transmission section transmits the second service information stored in the storage section to the second server based on a reference request for the second service information, on receipt of said reference request from the second server,

the second service execution unit comprises:

20 a second request transmission section transmitting to the second server the reference request for the second service information corresponding to a service initiation request, on receipt of said service initiation request from the terminal unit; and

25 a second service provision section providing the service to the terminal unit based on the second service information referred to due to the request transmitted from the second request transmission section,

and the second server comprises:

a transfer section transferring to the first server the reference request transmitted from the second request transmission section, and also transferring to the second
5 service execution unit the second service information transmitted from the first server.

10. The service control network system according to claim 8, further including a second domain, and a second
10 server and a second service execution unit respectively accommodated in said second domain;

wherein the storage section further stores second service information specifying the service to be provided to the terminal unit, and the service information
15 transmission section transmits the second service information stored in the storage section to the second server based on a reference request for the second service information, on receipt of said reference request from the second server,

20 the second service execution unit comprises:

a second request transmission section transmitting to the second server the reference request for the second service information corresponding to a service initiation request, on receipt of said service initiation request from
25 the terminal unit; and

a second service provision section providing the service to the terminal unit based on the second service

information referred to due to the request transmitted from the second request transmission section,

and the second server comprises:

a transfer section transferring to the first server
5 the reference request transmitted from the second request transmission section, and also transferring to the second service execution unit the second service information transmitted from the first server.

10 11. The service control network system according to claim 9,

wherein, when said second service execution unit already retains effective second service information, the second request transmission section does not transmit the
15 reference request.

12. The service control network system according to claim 10,

wherein, when said second service execution unit
20 already retains effective second service information, the second request transmission section does not transmit the reference request.

13. A service control network system including a first
25 domain accommodating a first server and a terminal unit, and a second domain, to which the terminal unit moves, accommodating a second server and a second service

execution unit,

said first server comprising:

a storage section storing first service information specifying a service to be provided to the terminal unit;

5 and

a service information transmission section transmitting the first service information stored in the storage section to the second server based on a reference request for the first service information, on receipt of
10 said reference request from the second server;

said second service execution unit comprising:

a second request transmission section transmitting to the second server the reference request for the first service information corresponding to a service initiation
15 request or a registration request, on receipt of said service initiation request or said registration request from the terminal unit; and

a second service provision section providing the service to the terminal unit based on the first service
20 information referred to due to the request transmitted from the second request transmission section,

and said second server comprising:

a transfer section transferring to the first server the reference request transmitted from the second request
25 transmission section, and transferring to the second service execution unit the first service information transmitted from the first server.

14. The service control network system according to claim 13,

wherein, when said second service execution unit
5 already retains effective first service information, the second request transmission section does not transmit the reference request.

15. The service control network system according to
10 claim 13, further including a third domain, and a third server and a third service execution unit accommodated in said third domain,

wherein the storage section further stores third service information specifying the service to be provided
15 to the terminal unit, and the service information transmission section transmits the third service information stored in the storage section to the third server, on receipt of a reference request for the third service information from the third server,

20 the third service execution unit comprises:

a third request transmission section transmitting to the third server the reference request for the third service information corresponding to a service initiation request, on receipt of said service initiation request from the
25 terminal unit; and

a third service provision section providing the service to the terminal unit based on the third service

information referred to due to the request transmitted from the third request transmission section,

and the third server comprises:

a transfer section transferring to the first server
5 the reference request transmitted from the third request transmission section, and transferring to the third service execution unit the third service information transmitted from the first server.

10 16. The service control network system according to claim 14, further including a third domain, and a third server and a third service execution unit accommodated in said third domain,

wherein the storage section further stores third
15 service information specifying the service to be provided to the terminal unit, and the service information transmission section transmits the third service information stored in the storage section to the third server, on receipt of a reference request for the third
20 service information from the third server,

the third service execution unit comprises:

a third request transmission section transmitting to the third server the reference request for the third service information corresponding to a service initiation request,
25 on receipt of said service initiation request from the terminal unit; and

a third service provision section providing the

service to the terminal unit based on the third service information referred to due to the request transmitted from the third request transmission section,

and the third server comprises:

5 a transfer section transferring to the first server the reference request transmitted from the third request transmission section, and transferring to the third service execution unit the third service information transmitted from the first server.

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17. The service control network system according to claim 15,

wherein, when said third service execution unit already retains effective third service information, the
15 third request transmission section does not transmit the reference request.

18. The service control network system according to claim 16,

20 wherein, when said third service execution unit already retains effective third service information, the third request transmission section does not transmit the reference request.

25 19. A server accommodated in a first domain formed in a communication network, comprising:

a storage section storing first service information

specifying a service to be provided to a terminal unit accommodated in the first domain;

a reception section receiving a reference request for the first service information transmitted from a first
5 service execution unit accommodated in the first domain for providing the service to the terminal unit; and

a transmission section transmitting the first service information stored in the storage section to the first service execution unit, based on the reference request
10 received by the reception section.

20. The server according to claim 19,

wherein the storage section further stores third service information specifying the service to be provided
15 to the terminal unit,

the reception section further receives a reference request for the third service information transmitted from a third service execution unit which is accommodated in a third domain formed in the communication network and
20 transferred by a third server accommodated in said third domain,

and the transmission section further transmits the third service information stored in the storage section to the third service execution unit through the third server,
25 based on the reference request for the third service information received by the reception section.

21. A server accommodated in a first domain formed in a communication network, comprising:

a storage section storing first service information specifying a service to be provided to a terminal unit which
5 is accommodated in the first domain and moved into a second domain formed in the communication network;

a reception section receiving a reference request for the first service information, which is transmitted from a second service execution unit accommodated in the second
10 domain for providing the service to the terminal unit, and transferred by a second server accommodated in the second domain; and

a transmission section transmitting the first service information stored in the storage section to the second
15 service execution unit through the second server, based on the reference request received by the reception section.

22. The server according to claim 21,

wherein the storage section further stores second
20 service information specifying the service to be provided to the terminal unit,

the reception section further receives a reference request for the second service information which is transmitted from a second service execution unit
25 accommodated in the second domain formed in the communication network and transferred by a second server accommodated in said second domain,

and the transmission section further transmits the second service information stored in the storage section to the second service execution unit through the second server, based on the reference request for the second
5 service information received by the reception section.

23. A service execution unit included in a communication network for providing a service to a terminal unit accessing said communication network, said service
10 execution unit comprising:

- a storage section storing service information specifying the service;
- a transmission section transmitting a reference request for the service information specifying the service
15 corresponding to a service initiation request or a registration request to a server provided in the communication network for managing the service information, on receipt of said service initiation request or said register request from the terminal unit;
- 20 a reception section receiving the service information transmitted from the server based on the reference request transmitted from the transmission section, and storing the received service information into the storage section; and
- a service provision section providing the service to
25 the terminal unit based on the service information stored in the storage section.

24. The service execution unit according to claim 23,
wherein, when effective service information is already
retained in the storage section, the transmission section
does not transmit the reference request.

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